

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20040123650".pn.	US-PGPUB; USPAT	OR	OFF	2005/05/10 12:13
L2	1	I1 and (lubricant\$1 or lubricat\$3 or oil\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/10 12:13
L3	1	I2 and additive\$1	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:19
L4	48	wollenberg-robert-h-.in.	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:20
L5	45	I4 and (lubricant\$1 or lubricat\$3 or oil\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:20
L6	6	I5 and (combinatorial or library or libraries or throughput)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:23
L7	7	balk-thomas-j-.in.	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:23
L8	1	I7 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:24
L9	1	"6455595".pn.	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:26
L10	3327	chevron.as.	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:26
L11	240020	combinatorial or library or libraries or throughput	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:27
L12	134	I10 and I11	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:27
L13	129038	combinatorial or library or libraries	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:27
L14	11	I10 and I13	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:31
L15	52	(chevron adj oronite).as.	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:31
L16	0	I15 and I13	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:31
L17	7822	base adj oil\$1	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:31
L18	3293	I17 same additive\$1	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:32
L19	5	I18 same I13	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:32
L20	0	I19 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:32
L21	11	I18 and I13	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:32
L22	5	I21 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:36

L23	288	I18 same stability	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:37
L24	189	I23 same (wear or storage or oxidation or oxidative)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:37
L25	88	I24 same (sediment\$5 or color\$3 or colour\$3 or viscosity or deposit\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:38
L26	0	I25 same (ir or infrared or calorimetry)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:38
L27	1	I25 same (light or scatter\$3 or opacity)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:39
L28	3	I25 and "436"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:39
L29	1469681	I25 sane (screen\$3 or test\$3)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:40
L30	29	I25 same (screen\$3 or test\$3)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:40
L31	25	I30 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:53
L32	2187	I18 same (lubricant\$1 or lubricat\$3)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:53
L33	167	I32 same stability	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:53
L34	14	I33 same storage	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:54
L35	4	I34 same (sediment\$5 or color\$3 or colour\$3 or viscosity)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:54
L36	1	I35 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:55
L37	125	(stabilit\$3 and (lubricant\$1 or lubricat\$3 or oil\$1)).ti.	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:55
L38	25	I37 and wear	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:55
L39	18	I38 and (oxidation or oxidative)	US-PGPUB; USPAT	OR	OFF	2005/05/10 13:56
L40	7	I39 and storage	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:03
L41	7377	additive\$1 same wear	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:03
L42	1298	I41 same (oxidation or oxidative)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:04
L43	16	I42 same (storage)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:04
L44	5	I43 same (lubricant\$1 or lubricat\$3 or oil\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:04

L45	5	I44 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:10
L46	779272	lubricant\$1 or lubricat\$3 or oil\$1	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:10
L47	89326	I46 same additive\$1	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:10
L48	290	I47 same (storage adj stability)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:10
L49	78	I48 same (sediment\$5 or color\$3 or colour\$3 or viscosity)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:11
L50	14	I49 same temperature	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:11
L51	13	I50 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:18
L52	0	I49 same (light adj scatter\$3)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:18
L53	0	I49 same scatter\$3	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:18
L54	0	I49 same opacity	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:18
L55	2577	I47 same (stor\$3)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:19
L56	539	I55 same stabil\$3	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:19
L57	22	I56 same sediment\$5	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:19
L58	0	I57 same (scatter\$3 or opacity)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:19
L59	2	I48 same (scatter\$3 or opacity)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:20
L60	180	I47 same (light adj scatter\$3)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:20
L61	1	I60 same (sediment\$5 or deposit\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:22
L62	11	I60 same stabil\$3	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:22
L63	11	I62 not I6	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:33

L64	73229	l46 same (antioxidant\$1 or anti-wear or antiwear or detergent\$1 or (rust adj inhibitor\$1) or dehazing or demulsifying or (friction adj modifier\$1) or depressant\$1 or antifoaming or (corrosion adj inhibitor\$1) or corrosion-inhibitor\$1 or dispersant\$1 or (pressure adj agent\$1))	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:35
L65	4590	l64 and l13	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:36
L66	39	l64 same l13	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:36
L67	37	l66 not l6	US-PGPUB; USPAT	OR	OFF	2005/05/10 14:43
L68	1	"20030100453".pn.	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:18
L69	1	"3852207".pn.	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:19
L70	2187	l18 same (lubricant\$1 or lubricat\$3)	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:20
L71	60	l70 same (plurality or multipl\$5)	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:20
L72	48	l71 same composition\$1	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:20
L73	42	l72 not l6	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:26
L74	5	l18 same l13	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:26
L75	0	l74 not l6	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:26
L76	86	l18 same (plural\$3 or multiple or multiplicity)	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:27
L77	17	l76 same (well\$1 or receptacle\$1 or tube\$1 or vial\$1 or container\$1)	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:27
L78	12	l77 not l6	US-PGPUB; USPAT	OR	OFF	2005/05/10 15:27

## WEST Search History





DATE: Tuesday, May 10, 2005

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L36	L35 and (multipl\$5 or plural\$3)	0
<input type="checkbox"/>	L35	L34 and (storage or oxidation or oxidative or wear)	43
<input type="checkbox"/>	L34	L33 and stability	221
<input type="checkbox"/>	L33	l11 and screen\$3	6062
<input type="checkbox"/>	L32	l30 and screen\$3	0
<input type="checkbox"/>	L31	L30 and l12	0
<input type="checkbox"/>	L30	L29 and additive\$1	1697
<input type="checkbox"/>	L29	base adj oil\$1	8238
<input type="checkbox"/>	L28	L27 and l12	0
<input type="checkbox"/>	L27	refrigeration adj lubricant\$1	32
<input type="checkbox"/>	L26	L25 and l12	3
<input type="checkbox"/>	L25	(transmission adj fluid\$1) or (hydraulic adj fluid\$1) or (gear adj oil\$1) or (marine adj cylinder) or (marine adj oil\$1) or (compressor adj oil\$1) or (refrigeration adj oil\$1)	29053
<input type="checkbox"/>	L24	L23 and l12	1
<input type="checkbox"/>	L23	lubricating adj oil\$1	38254
<input type="checkbox"/>	L22	wo-200207876-\$.did.	1
<input type="checkbox"/>	L21	wo-200207870-\$.did.	1
<input type="checkbox"/>	L20	wo-0207870-\$.did.	0
<input type="checkbox"/>	L19	L18 and (transmission or hydraulic or gear or marine or compressor or refrigeration)	0
<input type="checkbox"/>	L18	l16 not L17	40
<input type="checkbox"/>	L17	L16 and stability	4
<input type="checkbox"/>	L16	l14 not L15	44
<input type="checkbox"/>	L15	L14 and additive\$1	6
<input type="checkbox"/>	L14	L13 and screen\$3	50
<input type="checkbox"/>	L13	l11 and L12	258
<input type="checkbox"/>	L12	combinatorial or library or libraries or (high adj throughput)	36500
<input type="checkbox"/>	L11	lubricat\$3 or lubricant\$1 or oil\$1	771241
<input type="checkbox"/>	L10	wo-02007870-\$.did.	0
<input type="checkbox"/>	L9	wo-2002007870-\$.did.	0

<input type="checkbox"/>	L8	L7 not l5	0
<input type="checkbox"/>	L7	balk-thomas-\$in.	2
<input type="checkbox"/>	L6	balk-thomas-j-\$in.	0
<input type="checkbox"/>	L5	balk-thomas-j-in.	2
<input type="checkbox"/>	L4	L3 not l1	0
<input type="checkbox"/>	L3	wollenberg-robert-\$in.	4
<input type="checkbox"/>	L2	wollenberg-robert-h-\$in.	0
<input type="checkbox"/>	L1	wollenberg-robert-h-in.	4

END OF SEARCH HISTORY

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(FILE 'HOME' ENTERED AT 09:12:05 ON 10 MAY 2005)

FILE 'CAPLUS, CAOLD, MEDLINE, BIOSIS' ENTERED AT 09:12:31 ON 10 MAY 2005  
E WOLLENBERG ROBERT H/AU

L1 42 S E3  
L2 5 S L1 AND (THROUGHPUT OR COMBINATORIAL OR LIBRAR?)  
L3 5 DUP REMOV L2 (0 DUPLICATES REMOVED)  
L4 23 S L1 AND (LUBRICAT? OR LUBRICANT? OR OIL?)  
L5 23 DUP REMOV L4 (0 DUPLICATES REMOVED)  
E BALK THOMAS J/AU  
L6 13 S E1-E4  
L7 13 DUP REMOV L6 (0 DUPLICATES REMOVED)  
L8 8 S L7 NOT L1  
L9 93594 S (LUBRICAT? OR LUBRICANT?) AND OIL?  
L10 29119 S L9 AND ADDITIVE?  
L11 458482 S COMBINATORIAL OR HIGH THROUGHPUT OR LIBRARY OR LIBRARIES OR A  
L12 20 S L10 AND L11  
L13 20 DUP REMOV L12 (0 DUPLICATES REMOVED)  
L14 17 S L13 NOT L2

FILE 'STNGUIDE' ENTERED AT 09:35:08 ON 10 MAY 2005

FILE 'CAPLUS, CAOLD, MEDLINE, BIOSIS' ENTERED AT 09:40:27 ON 10 MAY 2005

L15 87 S L9 AND L11  
L16 67 S L15 NOT L12  
L17 67 DUP REMOV L16 (0 DUPLICATES REMOVED)  
L18 247461 S COMBINATORIAL OR HIGH THROUGHPUT OR LIBRARY OR LIBRARIES  
L19 37 S L9 AND L18  
L20 37 DUP REMOV L19 (0 DUPLICATES REMOVED)  
L21 32 S L20 NOT L2  
L22 67818 S LUBRICATING OIL?  
L23 29 S L22 AND L18  
L24 29 DUP REMOV L23 (0 DUPLICATES REMOVED)  
L25 5 S L24 NOT L21  
L26 0 S L25 NOT L2  
L27 11096 S TRANSMISSION FLUID? OR HYDRAULIC FLUID? OR GEAR OIL? OR MARIN  
L28 8 S L27 AND L18  
L29 8 DUP REMOV L28 (0 DUPLICATES REMOVED)  
L30 8 S L29 NOT L2

FILE 'STNGUIDE' ENTERED AT 10:14:32 ON 10 MAY 2005

FILE 'CAPLUS, CAOLD, MEDLINE, BIOSIS' ENTERED AT 10:15:36 ON 10 MAY 2005

L31 446 S L22 AND SCREEN?  
L32 10 S L31 AND (ARRAY? OR THROUGHPUT)  
L33 10 DUP REMOV L32 (0 DUPLICATES REMOVED)  
L34 589 S L9 AND SCREEN?  
L35 10 S L34 AND (ARRAY? OR THROUGHPUT)  
L36 0 S L35 NOT L33  
L37 83 S L27 AND SCREEN?  
L38 1 S L37 AND (ARRAY? OR THROUGHPUT)  
L39 9 S L34 AND (STORAGE STABILITY OR OXIDATION STABILITY OR WEAR ST  
L40 9 DUP REMOV L39 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 10:26:50 ON 10 MAY 2005

FILE 'CAPLUS, CAOLD, MEDLINE, BIOSIS' ENTERED AT 10:29:05 ON 10 MAY 2005

L41 1 S L37 AND (STORAGE STABILITY OR OXIDATION STABILITY OR WEAR ST  
L42 228 S L9 AND STORAGE STABILITY  
L43 48 S L42 AND (SEDIMENTATION OR COLOR OR COLOUR OR VISCOSITY)  
L44 48 DUP REMOV L43 (0 DUPLICATES REMOVED)

L45           0 S L44 AND (PLURAL? OR MULTIPL?)  
 L46           23 S L44 AND ADDITIVE?  
 L47           3 S L43 AND (LIGHT OR OPACITY)  
 L48           0 S L43 AND SCATTER?  
 L49           291 S L9 AND OXIDATION STABILITY  
 L50           14 S L49 AND DEPOSIT?  
 L51           14 DUP REMOV L50 (0 DUPLICATES REMOVED)  
 L52           0 S L51 AND SUBSTRATE?  
 L53           1 S L51 AND (INFRARED OR IR)  
 L54           13 S L51 NOT L53  
 L55           9260 S BASE OIL?  
 L56           4629 S L55 AND ADDITIVE?  
 L57           3 S L56 AND L18  
 L58           38 S L56 AND SCREEN?  
 L59           5 S L58 AND (STORAGE STABILITY OR OXIDATION STABILITY OR OXIDATI  
 L60           0 S L49 AND FOURIER TRANSFORM  
 L61           13 S L56 AND FOURIER TRANSFORM  
 L62           13 S L61 AND (INFRARED OR IR)  
 L63           4 S L58 AND (MULTIPL? OR PLURAL?)  
 L64           4 S L56 AND L11

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